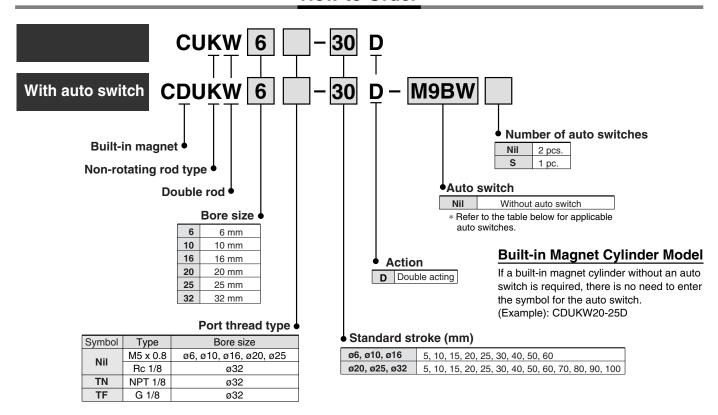
Free Mount Cylinder: Non-rotating Rod Type Double Acting, Double Rod

Series CUKW

ø6, ø10, ø16, ø20, ø25, ø32

How to Order



Applicable Auto Switches/Refer to pages 1263 to 1371 for further information on auto switches

Applicable Auto Owiteries to pages 1200 to 1371 for futurer information of auto switches.																
	Special function	Electrical entry	Indicator light	Wiring	Load voltage			Auto switch model		Lead wire length (m)			(m)	Pre-wired		
Type				(Output)	DC		40	Perpendicular	In-line	0.5	1	3 5		connector	Applicable load	
						DC AC				(Nil)	(M)	(L)	(Z)	Connector		
Solid state switch				3-wire (NPN)		5 V, 12 V	_	M9NV	M9N	•	•	•	0	0	IC	
		- Grommet		3-wire (PNP)	24 V			M9PV	M9P	•	•	•	0	0	circuit	Relay,
않			V	2-wire		12 V		M9BV	M9B	•	•	•	0	0		
ᅙᅙ	Diagnostic indication (2-color indication)		Yes	3-wire (NPN)		5 V, 12 V		M9NWV	M9NW	•	•	•	0	0	IC	PLC
တ္တ				3-wire (PNP)				M9PWV	M9PW	•	•	•	0	0	circuit	
				2-wire		12 V		M9BWV	M9BW	•	•	•	0	0		
_		Grommet	Yes	3-wire		5V	_	A96V	A96	•					IC	
Reed switch				(NPN equivalent)	_				A90						circuit	_
				2-wiro	2-wire 24 V	12 V	100 V	A93V	A93	•	_	•	_	_		Relay,
			No	∠-wire			100 V or less	A90V	A90	•	_	•	_	_	IC circuit	PLC

* For detail about auto switches with pre-wired connector, refer to pages 1328 to 1329.

* Auto switches are shipped together but not assembled.

^{*} Since there are applicable auto switches other than the above, refer to page 538 for details.

Free Mount Cylinder: Non-rotating Rod Type Double Acting, Double Rod Series CUKW



Specifications

Bore size (mm)	6	10	16	20	25	32				
Fluid	Air									
Proof pressure	1.05 MPa									
Maximum operating pressure	0.7 MPa									
Minimum operating pressure	0.18 MPa	0.13 N	/IPa	C	0.11 MPa					
Ambient and fluid temperature	Without auto switch: -10 to 70°C (No freezing)									
Ambient and note temperature	With auto switch: -10 to 60°C (No freezing)									
Lubrication	Non-lube									
Piston speed	50 to 500 mm/s									
Cushion	Rubber bumper									
Rod end thread	Male thread									
Stroke length tolerance	+ 1.0 mm									
Rod non-rotating accuracy Note)		±0.5°								

Note) No load: Rod in the non-rotating plate side at retracted

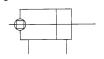
Standard Stroke

Bore size (mm)	Standard stroke (mm)
6, 10, 16	5, 10, 15, 20, 25, 30, 40, 50, 60
20, 25, 32	5, 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100

Minimum Stroke for Auto Switch Mounting

(mm)

JIS Symbol Non-rotating rod



N. C.	Applicable auto switch									
No. of auto switches mounted	D-A9□, D-A9□V	D-M9□, D-M9□V	D-M9□W, D-M9□WV							
1 pc.	5	5	5							
2 pcs.	10	5	10							

Mass/(): Denotes the values with D-A93.

Wid55/(): Denotes the values with D-A93.													
Model	Stroke (mm)												
Wodel	5	10	15	20	25	30	40	50	60	70	80	90	100
C(D)UKW6-□D	33 (38)	36 (46)	40 (50)	43 (53)	46 (56)	50 (60)	57 (67)	64 (74)	71 (81)	_	_	_	_
C(D)UKW10-□D	51 (56)	56 (66)	60 (70)	65 (75)	69 (79)	74 (84)	83 (93)	92 (102)	101 (111)	_	_	_	_
C(D)UKW16-□D	84 (109)	91 (121)	98 (128)	105 (135)	112 (142)	119 (149)	133 (163)	147 (177)	161 (191)	_	_	_	
C(D)UKW20-□D	150 (185)	163 (203)	177 (217)	191 (231)	205 (245)	219 (259)	247 (286)	275 (315)	303 (343)	331 (371)	359 (399)	387 (427)	415 (455)
C(D)UKW25-□D	276 (330)	296 (355)	316 (375)	336 (395)	357 (416)	377 (436)	421 (476)	462 (516)	500 (559)	541 (600)	582 (641)	623 (682)	664 (723)
C(D)UKW32-□D	434 (507)	465 (543)	495 (573)	526 (604)	556 (634)	587 (665)	669 (747)	709 (787)	770 (848)	831 (909)	892 (970)	953 (1031)	1014 (1092)

^{*} For the auto switch mass, refer to page 1263.

Theoretical Output

Specifications are the same as double acting, double rod (Series CUW). Refer to page 491.

Allowable Rotational Torque

Ensure that rotational torque is not applied to the piston rod of Series CUKW. If rotational torque are applied unavoidably, refer to page 503.

Tightening Torque

When mounting Series CUKW, refer to page 484.

Auto Switch Mounting Position

For the auto switch mounting position of Series CUKW, refer to page 494, since specifications are the same as double acting, double rod type.

D-□

Individual -X — Technical

SMC

507

CQS

CUJ

RQ

CQM MU